

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P233633

Luminaire Tested: **VERD-C02H8-D-U-T5-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P233633  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1710-389-16)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-C02H8-D-U-T5-7030  
Description: VERDEON ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 3000K, 960mA LEDS AND TYPE V OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13843 lumens  
Efficiency: N/A  
Efficacy: 125.8 lumens/watt  
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B4 - U0 - G3

Input Watts (W): 110  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT

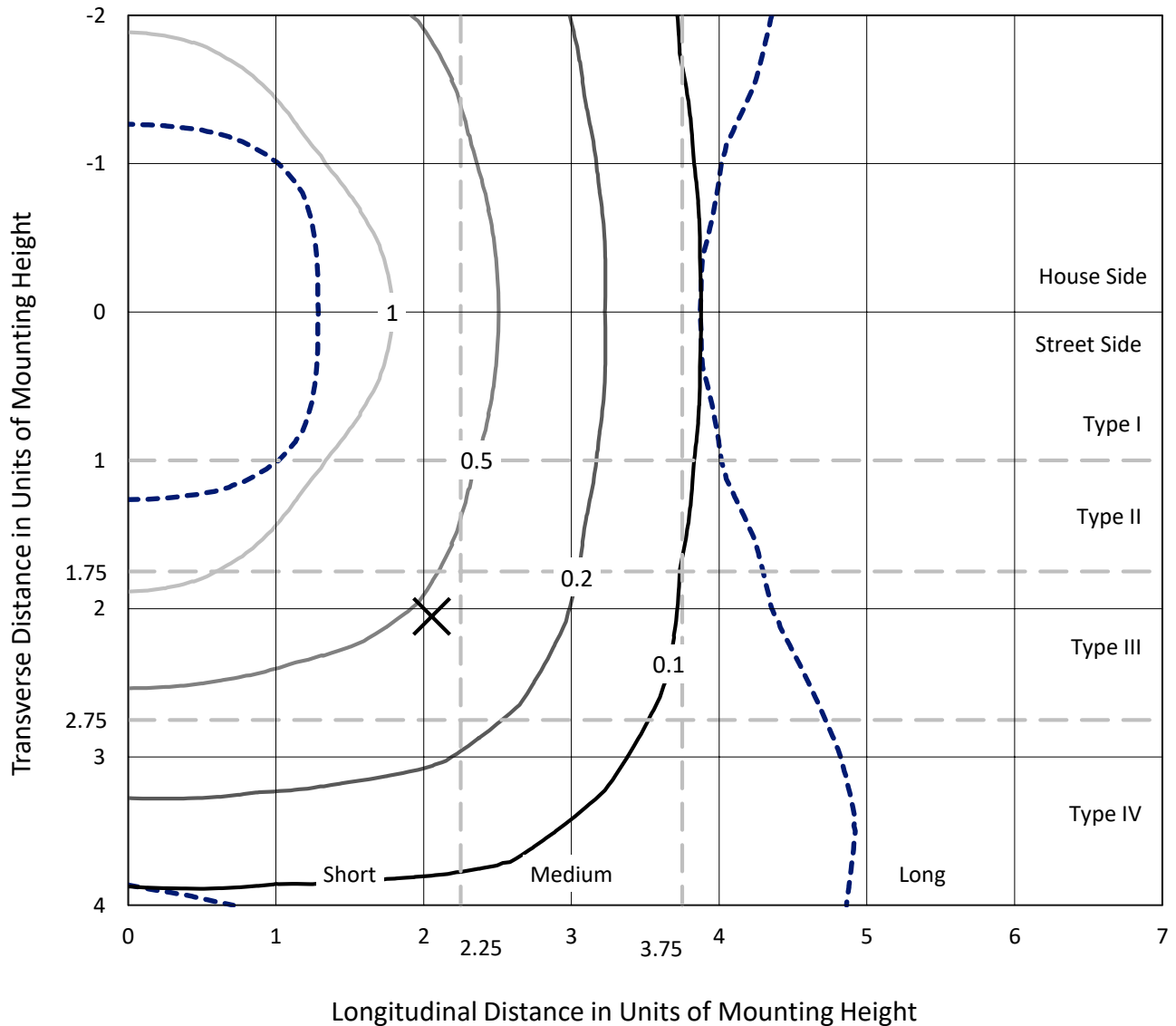


REPORT NUMBER: P233633

CATALOG NUMBER: VERD-C02H8-D-U-T5-7030

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

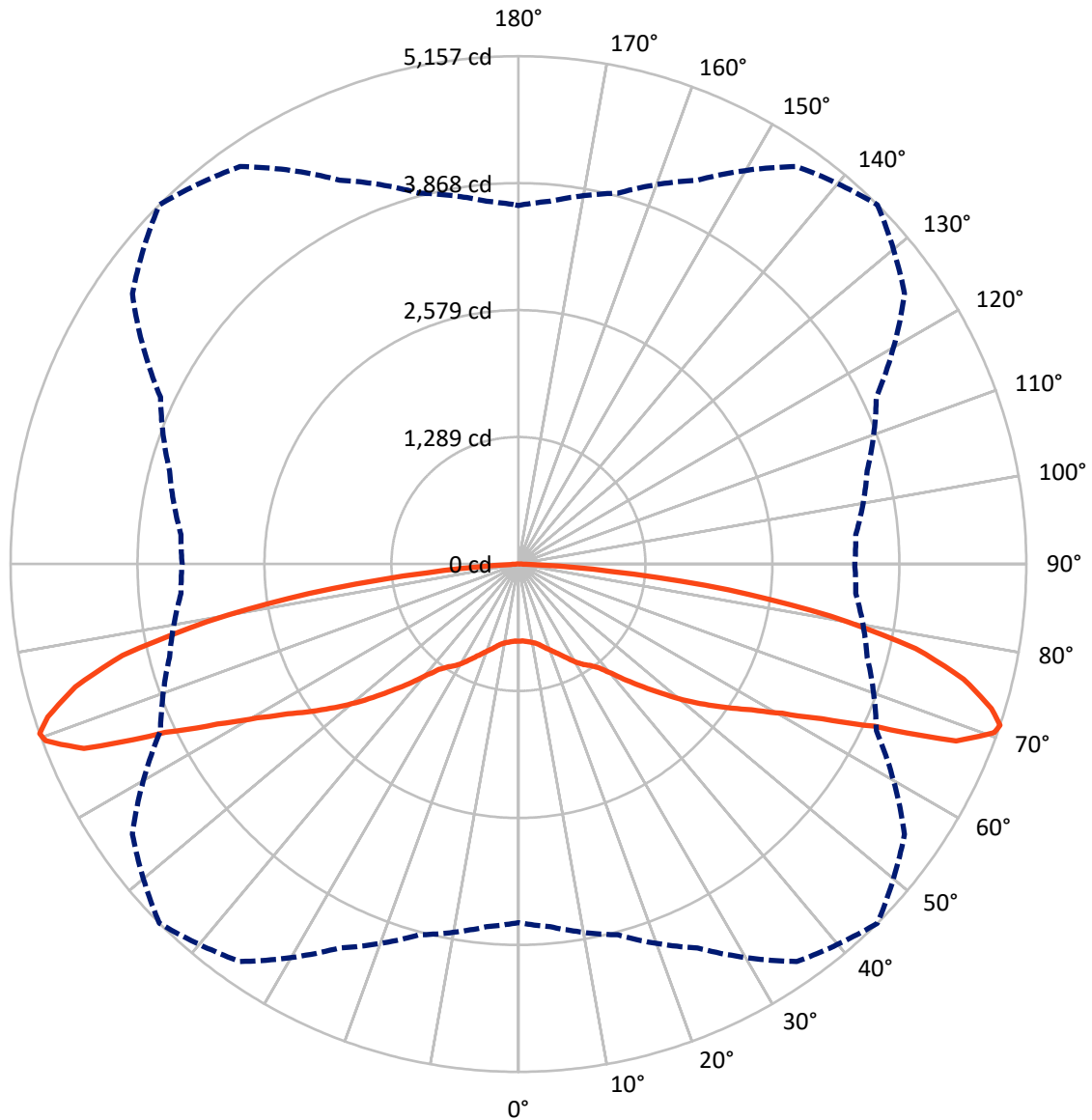


Based on 20 foot mounting height. Maximum calculated value = 2 fc  
 Type V - Short - Non-Cutoff

REPORT NUMBER: P233633

CATALOG NUMBER: VERD-C02H8-D-U-T5-7030

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 71-Deg Vertical

REPORT NUMBER: P233633

CATALOG NUMBER: VERD-C02H8-D-U-T5-7030

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6921.5	0.0	6921.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6921.5	0.0	6921.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13843.0	0.0	13843.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.2	0.6
10°-20°	244.7	1.8
20°-30°	471.7	3.4
30°-40°	797.8	5.8
40°-50°	1450.9	10.5
50°-60°	2474.7	17.9
60°-70°	3968.2	28.7
70°-80°	3608.2	26.1
80°-90°	750.6	5.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	13843.0	100.0
0°-180°	13843.0	100.0



REPORT NUMBER: P233633

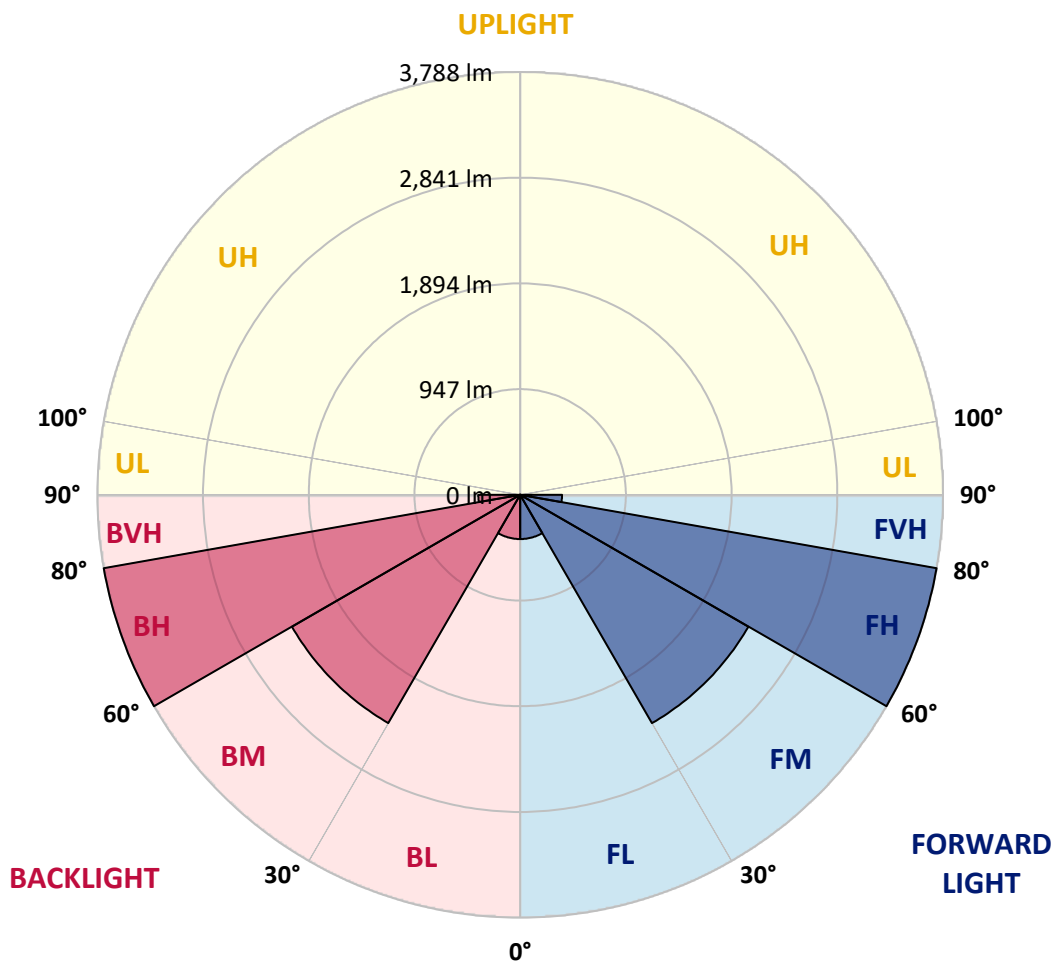
CATALOG NUMBER: VERD-C02H8-D-U-T5-7030

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	396.3	2.9			
FM	(30°-60°)	2361.7	17.1			
FH	(60°-80°)	3788.2	27.4			G2/5000
FVH	(80°-90°)	375.3	2.7			G3/500
BL	(0°-30°)	396.3	2.9	B1/500		
BM	(30°-60°)	2361.7	17.1	B2/2500		
BH	(60°-80°)	3788.2	27.4	B4/5000		G2/5000
BVH	(80°-90°)	375.3	2.7			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G3**

Type V Short





REPORT NUMBER: P233633

CATALOG NUMBER: VERD-C02H8-D-U-T5-7030

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	784.3	784.3	784.3	784.3	784.3	784.3	784.3	784.3	784.3	784.3	784.3
2.5°	791.7	791.7	790.5	784.3	785.5	781.8	779.4	780.6	781.8	781.8	780.6
5°	797.9	797.9	796.6	791.7	792.9	789.2	788.0	789.2	791.7	794.2	791.7
7.5°	810.2	809.0	806.5	801.6	801.6	799.1	796.6	797.9	800.3	801.6	800.3
10°	823.8	822.5	818.8	813.9	813.9	811.4	806.5	806.5	806.5	805.3	804.0
12.5°	838.6	837.3	833.6	828.7	832.4	828.7	825.0	823.8	820.1	817.6	816.4
15°	862.0	860.8	857.1	853.4	863.2	858.3	852.1	846.0	843.5	841.0	838.6
17.5°	890.4	889.1	886.7	884.2	896.5	896.5	885.4	874.3	875.6	871.9	869.4
20°	923.6	922.4	919.9	922.4	936.0	934.7	919.9	906.4	911.3	903.9	901.5
22.5°	965.6	963.1	959.4	963.1	982.8	979.1	960.6	948.3	952.0	948.3	945.8
25°	1011.2	1006.3	1001.3	1006.3	1038.3	1030.9	1012.4	997.6	1005.0	1002.6	1001.3
27.5°	1055.6	1050.7	1047.0	1043.3	1092.6	1091.4	1066.7	1051.9	1060.5	1061.8	1063.0
30°	1098.8	1097.5	1091.4	1086.4	1139.5	1156.7	1114.8	1108.6	1114.8	1122.2	1124.7
32.5°	1156.7	1154.3	1148.1	1139.5	1175.2	1217.1	1170.3	1175.2	1185.1	1199.9	1198.6
35°	1234.4	1228.2	1219.6	1211.0	1233.2	1266.5	1245.5	1255.4	1272.6	1289.9	1287.4
37.5°	1317.0	1315.8	1307.2	1286.2	1310.9	1340.5	1334.3	1352.8	1382.4	1416.9	1412.0
40°	1435.4	1436.6	1418.2	1391.0	1412.0	1460.1	1466.2	1504.5	1556.3	1605.6	1606.8
42.5°	1621.6	1617.9	1604.4	1566.1	1579.7	1615.5	1645.1	1704.2	1768.4	1818.9	1826.3
45°	1852.2	1847.3	1820.2	1759.7	1756.0	1781.9	1825.1	1901.6	1979.2	2028.6	2032.3
47.5°	2116.1	2098.9	2056.9	1978.0	1949.6	1962.0	2006.4	2091.5	2171.6	2225.9	2222.2
50°	2376.3	2377.6	2327.0	2223.4	2166.7	2166.7	2192.6	2281.4	2362.8	2413.3	2414.6
52.5°	2669.8	2658.7	2609.4	2484.8	2392.4	2366.5	2375.1	2458.9	2542.8	2597.1	2597.1
55°	2965.8	2954.7	2906.6	2768.5	2648.9	2573.6	2565.0	2643.9	2735.2	2787.0	2793.1
57.5°	3270.4	3263.0	3212.4	3062.0	2912.8	2793.1	2773.4	2863.4	2959.6	3011.4	3015.1
60°	3587.3	3577.4	3526.9	3409.7	3227.2	3076.8	3039.8	3131.0	3245.7	3313.5	3309.8
62.5°	3956.0	3943.7	3904.2	3753.8	3624.3	3461.5	3388.8	3493.6	3630.5	3709.4	3715.6
65°	4252.0	4256.9	4293.9	4271.7	4150.9	3973.3	3900.5	4068.2	4147.2	4160.7	4150.9
67.5°	4174.3	4192.8	4274.2	4457.9	4676.2	4793.3	4507.3	4306.2	4155.8	4068.2	4055.9
70°	3838.9	3852.4	4047.3	4348.2	4926.5	5126.3	4765.0	4110.2	3794.5	3658.8	3642.8
71°	3641.6	3697.1	3898.1	4301.3	4927.8	5157.1	4785.9	4010.3	3667.5	3439.3	3414.7
72.5°	3340.7	3388.8	3641.6	4125.0	4856.2	5024.0	4564.0	3776.0	3378.9	3189.0	3126.1
75°	2724.1	2812.9	3036.1	3672.4	4529.4	4670.0	4166.9	3330.8	2905.4	2699.4	2683.4
77.5°	1937.3	1997.7	2335.6	3022.5	3993.0	4125.0	3683.5	2800.5	2350.4	2159.3	2138.3
80°	1076.6	1137.0	1493.4	2124.8	3082.9	3216.1	2819.0	2045.8	1597.0	1393.5	1309.6
82.5°	482.2	517.9	780.6	1259.1	1978.0	2150.7	1712.9	1124.7	769.5	545.1	500.7
85°	167.7	186.2	310.8	571.0	1012.4	934.7	587.0	281.2	98.7	48.1	44.4
87.5°	32.1	35.8	67.8	159.1	165.2	76.5	24.7	18.5	18.5	19.7	19.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)